

***LineUp With Math™* Alignment**
Academic Content Standards - Mathematics
Grade-Level Indicators

Number, Number Sense and Operations Standard

Computation and Estimation

Grade-Level Indicator

14. Use proportional reasoning, ratios and percents to represent problem situations and determine the reasonableness of solutions.

***LineUp With Math™* Activities**

--Use an interactive simulator plus calculation worksheets to apply proportional reasoning to identify and resolve distance, rate, time conflicts in air traffic control.

--Use percent relationships to resolve distance, rate, time conflicts in air traffic control.

15. Determine the percent of a number and solve related problems; e.g., find the percent markdown if the original price was \$140, and the sale price is \$100.

--Use percent relationships to resolve distance, rate, time conflicts in air traffic control.

Patterns, Functions and Algebra Standard

Analyze Change

Grade-Level Indicator

7. Identify and describe situations with constant or varying rates of change, and compare them.

***LineUp With Math™* Activities**

--Identify and resolve distance, rate, time conflicts in air traffic control problems by varying plane speeds or changing plane routes.

8. Use technology to analyze change; e.g., use computer applications or graphing calculators to display and interpret rate of change.

--Use an interactive simulator to identify distance, rate, time conflicts in air traffic control problems and resolve the conflicts by varying plane speeds or changing plane routes.